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| APPLICATION NO.                     | FILING DATE                    | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-------------------------------------|--------------------------------|----------------------|---------------------|------------------|
| 10/585,152                          | 12/15/2006                     | Peter Lindskog       | 100508/0542454      | 9926             |
|                                     | 7590 09/21/201<br>'N TODD, LLC | 0                    | EXAM                | IINER            |
| 2200 PNC CENTER 201 E. FIFTH STREET |                                |                      |                     | JORGE O          |
| CINCINNATI,                         |                                |                      | ART UNIT            | PAPER NUMBER     |
|                                     |                                |                      | 3664                |                  |
|                                     |                                |                      |                     |                  |
|                                     |                                |                      | NOTIFICATION DATE   | DELIVERY MODE    |
|                                     |                                |                      | 09/21/2010          | ELECTRONIC       |

## Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patents@fbtlaw.com

|  | Application No.  | Applicant(s)   |        |  |  |
|--|--|--|--------|--|--|
|  | 10/585,152   | LINDSKOG ET AL.  |        |  |  |
| Office Action Summary  | Examiner   | Art Unit   |        |  |  |
|  | Jorge O. Peche   | 3664   |        |  |  |
| The MAILING DATE of this communication Period for Reply  | n appears on the cover sheet w   | th the correspondence address  |        |  |  |
| A SHORTENED STATUTORY PERIOD FOR RI WHICHEVER IS LONGER, FROM THE MAILIN  - Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communicatio  - If NO period for reply is specified above, the maximum statutory p  - Failure to reply within the set or extended period for reply will, by s  Any reply received by the Office later than three months after the earned patent term adjustment. See 37 CFR 1.704(b). | G DATE OF THIS COMMUNION (FR 1.136(a)). In no event, however, may a rent in.  eriod will apply and will expire SIX (6) MON statute, cause the application to become AE | CATION.  reply be timely filed  ITHS from the mailing date of this communi BANDONED (35 U.S.C. § 133). |        |  |  |
| Status   |  |  |        |  |  |
| 1) Responsive to communication(s) filed on   | 15 December 2006.  |  |        |  |  |
|  | This action is non-final.  |  |        |  |  |
| 3) Since this application is in condition for all  | owance except for formal matt  | ers, prosecution as to the meri  | its is |  |  |
| closed in accordance with the practice und   | der <i>Ex parte Quayle</i> , 1935 C.D  | ). 11, 453 O.G. 213.   |        |  |  |
| Disposition of Claims  |  |  |        |  |  |
| 4) ☐ Claim(s) 1-35 is/are pending in the application 4a) Of the above claim(s) is/are with 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-35 are subject to restriction and  | ndrawn from consideration.   |  |        |  |  |
| Application Papers   |  |  |        |  |  |
| 9)☐ The specification is objected to by the Exa  | miner.   |  |        |  |  |
| 10)⊠ The drawing(s) filed on <u>06/29/2006</u> is/are: a)□ accepted or b)□ objected to by the Examiner.  |  |  |        |  |  |
| Applicant may not request that any objection to  | the drawing(s) be held in abeyar   | nce. See 37 CFR 1.85(a).   |        |  |  |
| Replacement drawing sheet(s) including the co  | orrection is required if the drawing   | (s) is objected to. See 37 CFR 1.1   | 21(d). |  |  |
| 11)☐ The oath or declaration is objected to by th  | e Examiner. Note the attached  | d Office Action or form PTO-15   | 52.    |  |  |
| Priority under 35 U.S.C. § 119   |  |  |        |  |  |
| 12) Acknowledgment is made of a claim for for a) All b) Some * c) None of:  1. Certified copies of the priority docur 2. Certified copies of the priority docur 3. Copies of the certified copies of the application from the International But * See the attached detailed Office action for a  | ments have been received.<br>ments have been received in A<br>priority documents have been<br>ureau (PCT Rule 17.2(a)).  | pplication No received in this National Stage  | е      |  |  |
| Attachment(s)  1) \( \sum_{\text{Notice}} \text{Notice of References Cited (PTO-892)} \)   |  | Summary (PTO-413)  |        |  |  |
| Notice of Draftsperson's Patent Drawing Review (PTO-948     Information Disclosure Statement(s) (PTO/SB/08)     Paper No(s)/Mail Date  | B) Paper No(s  | s)/Mail Date<br>nformal Patent Application   |        |  |  |

## **DETAILED ACTION**

## **Election/Restrictions**

This application contains claims directed to the following patentably distinct species of the claimed invention:

- Species 1: Figure 5 drawn to a system for estimating a road condition under a vehicle comprising a wheel speed sensor and an analyzer unit.
- Species 2: Figure 9 drawn to a system for estimating a road condition under a vehicle comprising four wheel speed sensors, four analyzer units and a combination section.
- Species 3: Figure 11 drawn to a system for estimating a road condition under a vehicle comprising a wheel speed sensor, first and second analyzer units and a decision unit.
- Species 4: Figure 13 drawn to a system for estimating a road condition under a vehicle comprising four wheel speed sensor signals, first and second analyzer units and a decision unit comprising a signal change determination section to process first combination section signals.

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Species 5: Figure 14 drawn to a system for estimating a road condition under a vehicle comprising four wheel speed sensor signals, first and second analyzer units and a decision unit comprising a signal change determination section to process output combination section signals.

Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner where it is necessary to search for one of the inventions in a manner that is not likely to result in finding art pertinent to the other invention (e.g. searching different classes/subclasses or electronic resources, or employing different search queries). The species and corresponding subspecies are independent or distinct because claims to the different species recite the mutually exclusive characteristics of such species. In addition, these species are not obvious variants of each other based on the current record.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, no claims are genetic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is reminded that upon the cancellation of claim to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by fee required under 37 CFR 1.17(i).

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jorge O. Peche whose telephone number is (571)270-1339. The examiner can normally be reached on 8:30 am - 5:30 pm Monday to Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Khoi H. Tran can be reached on 571-272-6919. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Jorge O Peche/ Examiner, Art Unit 3664 /KHOI TRAN/ Supervisory Patent Examiner, Art Unit 3664